

an amount of heat generated by a current flowing through said primary coil is greater than an amount of heat generated by a current flowing through said secondary coil, so that the heat generated from the primary coil is dissipated in said magnetic core and in said secondary coil.

11. (Amended) An amorphous metal core transformer comprising:

a magnetic core composed of a plurality of amorphous metal strips;

a primary coil of a copper conductor material wound on said magnetic core; and

a secondary coil of an aluminum conductor material wound on said primary coil and disposed outside said primary coil in a radius direction of said primary coil, wherein

a value of current density of said primary coil is greater than a value of current density of said secondary coil, and said value of current density of said primary coil is indicated in terms of the current density of the aluminum conductor winding.

#### REMARKS

Applicants have canceled claims 2-9. Accordingly, claims 10 and 11 are pending.

Claims 10 and 11 stand rejected under 35 U.S.C. § 112, second paragraph and also under 35 U.S.C. § 103 (a) as being